**Johnsonville High School – Geometry Syllabus**

**Text** Geometry, Holt McDougal

**Instructor** Sherry Young

**e-mail**  syoung@flo5.k12.sc.us

**Materials** Notebook, pencil, paper, scientific calculator.

**Course Description**   The course will emphasize the basic concepts of geometry.  We live in a three-dimensional world.  In order to interpret and make sense of that world, students need both analytical and spatial abilities.  Geometry and measurement, which involve notions of shape, size, position, and dimension, are used extensively to describe and understand the world around us. Students use and justify relationships between lines, angles, area and volume formulas, and 2- and 3-dimensional representations.  They solve problems and provide proofs about congruence and similarity.

**Course Topics** 1st semester

Chapter 1 Foundations of Geometry 8 days

Chapter 2 Geometric Reasoning 5 days

Chapter 3 Parallel and Perpendicular Lines 8 days

Chapter 4 Triangle Congruence 10 days

Chapter 5 Properties and Attributes of Triangles 8 days

Chapter 6 Polygons and Quadrilaterals 6 days

2nd semester

Chapter 7 Similarity 6 days

Chapter 8 Right Triangles and Trigonometry 9 days

Chapter 9 Extending Transformational Geometry (Project) 3 days

Chapter 10 Extending Perimeter, Circumference, and Area 9 days

Chapter 11 Spatial Reasoning 6 days

Chapter 12 Circles 9 days

Chapter 13 Probability (Project)

**Grading**

Class Participation 10%

Homework, daily grades 20%

Corrections 15%

Quizzes, Projects 20%

Tests 35%

Final Exam 20% of semester average if needed

**Grading scale**

93%-100% A

85%-92% B

77%-84% C

70%-76% D

0%-69% F

**Homework**

I will take the first minutes of class to discuss any problems from the homework. We will not discuss every problem. I will be available before and after school to help you if you require further assistance.

**Attendance**

Regular attendance is expected. Absences are not a valid reason for being unprepared for class, not turning in assignments on time or for missing a test or quiz. If a student has missed class then they will have three days to turn in any missing work and make-up any missed tests or quizzes.

**Tests and Quizzes**

There will be a cumulative test at the end of each unit. Corrections for tests will be corrected for a separate grade.

**Make-Up Exams**

It is your responsibility to make arrangements with me to come in and make-up a missed test. You will have 3 days after your absence to schedule all make up work. If you fail to schedule your make up work, a 0 will be given for those assignments.

**Tutoring**

I have 2nd half of lunch duty on Monday, break duty on Tuesday, Morning duty on Wednesday, and 1st half of lunch duty on Fridays. I am available for help at break and lunch all other times and before school most every day. At times I have meetings so just check with me in advance.

**Materials needed:** A 3 ring binder or notebook will be helpful to keep your assignments organized. We also will have handouts and a folder or pocket dividers will help to keep up with those. It is a good way to stay organized. A scientific calculator will also be needed. It does not have to be very elaborate and you can probably find one for $12 - $15.